| 3 1 2006 m                             |                                       | -                                     |               |                              |  |                                    |                     | <del></del>      |
|--|---------------------------------------|---------------------------------------|---------------|------------------------------|--|------------------------------------|---------------------|------------------|
| <u> </u>                               | •                                     |                                       | <u>AMENDI</u> | MENT TRAN                    | ISMITTAL                                       |                                    |                     | <u>PATENT</u>    |
| Application No.:                       |                                       | 0/038,334                             | 2004          |                              | _  |                                    |                     |                  |
| Filing Pate: First Named Investigation | ontor A                               | ctober 18, 2<br>shay A. Dai           |               | •                            | _  |                                    |                     |                  |
| Examiner's Nam                         | ne: S                                 | heeba Ahm                             |               |                              |  |                                    |                     |                  |
| Art Unit:                              | 1                                     | 773                                   |               |                              | <u>-</u>                                       |                                    |                     |                  |
| Attorney Docket                        | No.:0                                 | 42390.P121                            | 41            |                              | _  |                                    |                     |                  |
| An A                                   | mendment                              | After Final                           | Action (37    | CFR 1.116)                   | is attached an                                 | d applicant(s) r                   | request expedit     | ed action.       |
| X_ Char                                | ge any fee                            | not covered                           | d by any ch   | eck submitte                 | ed to Deposit /                                | Account No. 02                     | -2666.              |                  |
| X Appli                                | cant(s) her                           | eby reques                            | t and autho   | orize the U.S                | . Patent and T                                 | rademark Offic                     | e to (1) treat an   | y concurrent     |
| fut                                    | ure reply th                          | at requires                           | a petition f  | or extension                 | of time as inc                                 | orporating a pe                    | tition for extens   | ion of time f    |
| ap                                     | propriate le                          | ength of time                         | e and (2) ch  | harge all req                | uired tees, inc                                | luding extensio<br>sit Account No. | n of time fees a    | and fees und     |
|  |                                       |                                       |               |                              |  | Sit Account No.                    | 02-2000.            |                  |
|  |                                       | ım small en                           | illy status ( | 37 CFR 1.27                  | <u>').                                    </u> |                                    |                     |                  |
| ATTACHMENTS                            | _                                     |                                       |               |                              |  |                                    |                     |                  |
|  | nary Amen                             |                                       | _             |                              |  |                                    |                     |                  |
|  |                                       |                                       |               | Office Action                |  |                                    |                     |                  |
|  | •                                     | onse After i                          | Final Action  | n (37 CFR 1.                 | .116) (reminde                                 | r: consider filin                  | g a Notice of Ap    | ppeal)           |
|  | of Appeal                             |                                       |               |                              |  |                                    |                     |                  |
|  | -                                     | Continued                             | Examination   | on)                          |  |                                    |                     |                  |
|  | mental Dec                            |                                       |               |                              |  |                                    | _                   |                  |
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| Informa                                | ation Disclo                          | sure Staten                           | nent (IDS)    |                              |  |                                    |                     |                  |
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| X Fee Tra                              |                                       |                                       |               |                              | lation based o                                 | n the type and                     | number of clain     | ns)              |
| Cross-F                                |                                       | to Related A                          |               | (s)                          |  |                                    |                     |                  |
|  |                                       | Priority Doc                          |               |                              |  |                                    |                     |                  |
| Other:                                 |                                       |                                       |               |                              |  |                                    |                     |                  |
| Other:                                 |                                       |                                       |               | <del></del>                  |  |                                    |                     |                  |
| Check(                                 | s)                                    |                                       |               |                              |  |                                    |                     |                  |
| X_ Postca                              | rd (Return                            | Receipt)                              |               |                              |  |                                    |                     |                  |
| SUBMITTED BY:                          | ,                                     |                                       |               |                              |  |                                    |                     |                  |
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| SIGNATURE:                             | MU                                    | 17 W 111.                             | M 14/1        |                              |  |                                    |                     |                  |
| REG. NO.:                              |                                       | 46.50                                 |               | 1                            |  |                                    |                     |                  |
| DATE:                                  | · · · · · · · · · · · · · · · · · · · |                                       | ber 26, 2006  |                              |  |                                    |                     |                  |
|  |                                       |                                       |               |                              |  |                                    |                     |                  |
| ADDRESS:                               |                                       |                                       |               | 1 Floor                      |  |                                    |                     |                  |
|  |                                       | les, California                       |               |                              |  |                                    |                     |                  |
| TELEPHONE NO.                          | :                                     |                                       |               |                              |  |                                    |                     |                  |
|  |                                       |                                       |               |                              |  | MAIL (if applicab                  |                     |                  |
| I hereby certify that                  | at this corres                        | pondence is                           | being depos   | ited with the U              | Jnited States Po                               | stal Service as fi                 | rst class mail with | n sufficient pos |
| an envelope addre                      |                                       | Commission                            | er tor Patent | ts, P.O. Box 1<br>October 26 |  | virginia 22313-1                   | 450                 |                  |
| on                                     |                                       | · · · · · · · · · · · · · · · · · · · |               | Date of De                   | posit  |                                    |                     |                  |
|  |                                       |                                       |               | Linda K. I                   | Brost  |                                    | .26, 2001,          |                  |
|  | da K.                                 |                                       |               | D                            |  |                                    |                     |                  |

(10/14/03)

Express Mail Label No. (if applicable): N/A

| PE 4   | Page             |                             |                              |   | Page 1 of 3                           |  |  |
|--|------------------|-----------------------------|------------------------------|---|---------------------------------------|--|--|
| FEE TRANSMITTAL FOR FY 2005  Grective on 12/08/2004. Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818). |                  |                             |                              |   |                                       |  |  |
| TOTAL AMOUNT OF PAYMENT (\$)   |                  |                             |                              |   |                                       |  |  |
| Complete   | if Known:        | 10/000 004                  |                              |   |                                       |  |  |
| Filing Date  | n No             | 10/038,334<br>October 18, 2 | 2001                         |   |                                       |  |  |
|  |                  | Ashay A. Da                 |                              |   |                                       |  |  |
|  |                  | Sheeba Ahm                  |                              |   |                                       |  |  |
| Art Unit   |                  | 1773                        |                              |   |                                       |  |  |
| Attorney C   | Oocket No        | 1773<br>042390.P12          | 41                           |   |                                       |  |  |
| Applicant claims small entity status. See 37 CFR 1.27.   |                  |                             |                              |   |                                       |  |  |
| METHOD   | OF PAYMEN        | NT (check all t             | hat apply)                   |   |                                       |  |  |
| c  | check            | _ Credit Card               | Money O                      | order X None Ot   | her (please identify)                 |  |  |
| D  | eposit Accou     |                             | ber : <u>02-2666</u>         |   |                                       |  |  |
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| X TI   |                  |                             |                              | espect to the above-identified I  | Deposit Account:                      |  |  |
|  |                  | fee(s) indicate             |                              |   |                                       |  |  |
|  |                  |                             |                              | fee(s) during the pendency of this  | application.                          |  |  |
|  | Charge           |                             | ed below except for the      | e filing fee  |                                       |  |  |
| <del>-</del>   |                  | any overpayme               |                              |   | h a 4                                 |  |  |
|  | Any con          |                             |                              | lition for extension of time should l<br>on of time and all required fees sho |                                       |  |  |
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| Warning: In  | formation on th  | is form may bec             | ome public. Credit card i    | information should not be included  | d on this form.                       |  |  |
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| FFF CAL  | CULATION         |                             |                              |   |                                       |  |  |
| 1 071-1  | 00=/             |                             |                              |   |                                       |  |  |
| 1 BASIC  | FILING SEA       | ARCH AND F                  | XAMINATION FEES              |   |                                       |  |  |
| 1. <u>DASIO</u>  | TILING, OLA      | AITOH, AITO L               | AAIIIIIATIOITTEEO            |   |                                       |  |  |
| Large Enti   | ty Small E       | Entity                      |                              |   |                                       |  |  |
|  | ee Fee           | Fee                         |                              |   |                                       |  |  |
| Code (   | \$) Code         | (\$) <u>Fee</u>             | <u>Description</u>           |   | Fees Paid (\$)                        |  |  |
|  | 300 2011         |                             | ty application filing fee    |   |                                       |  |  |
|  | 500 2111         |                             | ty search fee                | <b>1,000/500</b>  | · · · · · · · · · · · · · · · · · · · |  |  |
| 1311 2   | 200 2311         | 100 Utilit                  | ty examination fee           | Ļ   |                                       |  |  |
|  |                  |                             |                              | J   |                                       |  |  |
|  | 200 2012         |                             | gn application filing fe     |   |                                       |  |  |
|  | 00 2112          |                             | gn search fee                | <del>-</del> 430/215  | <del></del>                           |  |  |
| 1312 1   | 30 2312          | 65 Desi                     | gn examination fee           | }   |                                       |  |  |
| 1013 2   | 200 2013         | 100 Plan                    | t filing fee                 | J   |                                       |  |  |
| 1  | 300 2113         |                             | t search fee                 | <b>5</b> 660/330  |                                       |  |  |
|  | 60 2313          |                             | t examination fee            | Ĺ   |                                       |  |  |
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|  | 300 2004         |                             | sue filing fee               | 1 400700  |                                       |  |  |
| 1  | 500 2114         |                             | sue search fee               | ر 1,400/700   |                                       |  |  |
| 1314 (   | 600 2314         | 300 Reis                    | sue examination fee          | }   |                                       |  |  |
| 1005 2   | 200 2005         | 100 Prov                    | risional application filir   | ng fee  |                                       |  |  |
|  |                  |                             |                              | CLIDTOTAL (1) 6   | 0                                     |  |  |
|  |                  |                             |                              | SUBTOTAL (1) \$_  | 0                                     |  |  |
|  |                  |                             |                              |   |                                       |  |  |

| 2. EXCESS CLAIM FEES  |  |   |  |  |  |  |  |
|---|--|---|--|--|--|--|--|
|   | Extra Claims   | Fee from below Fees Paid (\$)                           |  |  |  |  |  |
| Independent Claims 3 HP = highest number of independent   | - 30/HP = 0<br>aims paid for, if greater than 20<br>- 3/HP = 0<br>ndent claims paid for, if greater than 3 | X <u>\$ 50</u> = <u>0</u><br>X <u>\$ 200</u> = <u>0</u> |  |  |  |  |  |
| Multiple Dependent Claims  Large Entity Small Entity Fee Fee Fee Fee Fee Code (\$) Code (\$) Fee Description 1202 50 2202 25 Each claim over 20 1201 200 2201 100 Each independent claim over 3 1203 360 2203 180 Multiple dependent claims, if not paid 1204 200 2204 100 Reissue: each claim over 20 and more than in the original patent 1205 50 2205 25 Reissue: each independent claim more than in the original patent  SUBTOTAL (2) \$ |  |   |  |  |  |  |  |
| 3. APPLICATION SIZE FEE  If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).  |  |   |  |  |  |  |  |
| Total Sheets Extra  | Number of each add'l Sheets 50 or fraction thereof   | Fee from below Fees paid (\$)                           |  |  |  |  |  |
| <u>N/A</u> – 100 =  | / 50 = (round up to whole n  | number) X <u>\$ 250</u> 0                               |  |  |  |  |  |
| Large Entity Fee Fee Fee Fee Code (\$)  Code (\$)  Small Entity Fee Description: Application size fee for each additional group of 50 sheets beyond initial 100 sheets (count spec & drawings except sequences & program listings):   |  |   |  |  |  |  |  |
| 1081         250         2081         125           1082         250         2082         125           1083         250         2083         125           1084         250         2084         125   | Utility<br>Design<br>Plant<br>Reissue  |   |  |  |  |  |  |
| ·   |  | SUBTOTAL (3) \$0  |  |  |  |  |  |

| FEE CALCULATION (continued)                                     |             |       |              |   |              |  |
|---|-------------|-------|--------------|---|--------------|--|
| 4. OTHER FEE(S)   |             |       |              |   |              |  |
| 7. <u>U.</u>  | 1161116     | 101   |              |   | F Daid (6)   |  |
| Fees Paid   |             |       |              |   |              |  |
| Non-English Specification, \$130 fee (no small entity discount) |             |       |              |   |              |  |
| Large E   | Entity      | Small | Entity       |   |              |  |
| Fee   | Fee         | Fee   | Fee          |   |              |  |
| Code  | (\$)        | Code  | (\$)         | Fee Description   |              |  |
| 1051  | 130         | 2051  | 65           | Surcharge - late filing fee or oath                       |              |  |
| 1052  | 50          | 2052  | 25           | Surcharge - late provisional filing fee or cover sheet    |              |  |
| 1053  | 130         | 1053  | 130          | Non-English specification                                 |              |  |
| 1812  | 2,520       | 1812  | 2,520        | For filing a request for ex parte reexamination           |              |  |
| 1813  | 8,800       | 1813  | 8,800        | Request for inter parties reexamination                   |              |  |
| 1804  | 920*        | 1804  | 920*         | Requesting publication of SIR prior to Examiner action    |              |  |
| 1805  | 1,840*      | 1805  | 1,840*       | Requesting publication of SIR after Examiner action       |              |  |
| 1251  | 120         | 2251  | 60           | Extension for reply within first month                    |              |  |
| 1252  | 450         | 2252  | 225          | Extension for reply within second month                   |              |  |
| 1253  | 1,020       | 2253  | 510          | Extension for reply within third month                    |              |  |
| 1254  | 1,590       | 2254  | 795          | Extension for reply within fourth month                   |              |  |
| 1255  | 2,160       | 2255  | 1,080        | Extension for reply within fifth month                    |              |  |
| 1401  | 500         | 2401  | 250          | Notice of Appeal  |              |  |
| 1402  | 500         | 2402  | 250          | Filing a brief in support of an appeal                    |              |  |
| 1403  | 1,000       | 2403  | 500          | Request for oral hearing                                  |              |  |
| 1451  | 1,510       | 1451  | 1,510        | Petition to institute a public use proceeding             |              |  |
| 1452  | 500         | 2452  | 250          | Petition to revive – unavoidable                          |              |  |
| 1453  | 1,500       | 2453  | 750          | Petition to revive - unintentional                        |              |  |
| 1501  | 1,400       | 2501  | 700          | Utility issue fee (or reissue)                            |              |  |
| 1502  | 800         | 2502  | 400          | Design issue fee  |              |  |
| 1503  | 1100        | 2503  | 550          | Plant issue fee   |              |  |
| 1462  | 400         | 1462  | 400          | Petitions to the Commissioner (CFR 1.17(f) Group I)       |              |  |
| 1463  | 200         | 1463  | 200          | Petitions to the Commissioner (CFR 1.17(g) Group II)      |              |  |
| 1464  | 130         | 1464  | 130          | Petitions to the Commissioner (CFR 1.17(h) Group III)     |              |  |
| 1807  | 50          | 1807  | 50           | Processing fee under 37 CFR 1.17(q)                       |              |  |
| 1806  | 180         | 1806  | 180          | Submission of Information Disclosure Stmt                 |              |  |
| 8021  | 40          | 8021  | 40           | Recording each patent assignment per                      |              |  |
|   |             |       |              | property (times number of properties)                     |              |  |
| 1809  | 790         | 2809  | 395          | For filing a submission after final rejection             |              |  |
|   |             |       |              | (see 37 CFR 1.129(a))                                     |              |  |
| 1814  | 130         | 2814  | 65           | Statutory Disclaimer                                      |              |  |
| 1810  | 790         | 2810  | 395          | For each additional invention to be examined              |              |  |
|   |             |       |              | (see 37 CFR 1.129(b))                                     |              |  |
| 1801  | 790         | 2801  | 395          | Request for Continued Examination (RCE)                   |              |  |
| 1802  | 900         | 1802  | 900          | Request for expedited examination of a design             |              |  |
|   |             |       |              | application   |              |  |
| 1504  | 300         | 1504  | 300          | Publication fee for early, voluntary, or normal pub.      |              |  |
| 1505  | 300         | 1505  | 300          | Publication fee for republication                         |              |  |
| 1803  | 130         | 1803  | 130          | Request for voluntary publication or republication        |              |  |
| 1808  | 130         | 1808  | 130          | Processing fee under 37 CFR 1.17(i) (except provisionals) |              |  |
| 1454  | 1,370       | 1454  | 1,370        | Acceptance of unintentionally delayed claim for priority  | '            |  |
|   |             |       |              |   |              |  |
| Other fee (specify)   |             |       |              |   |              |  |
| Other f   | ee (specify | Λ     |              |   |              |  |
| Care I  | oo (apecii) | ′ —   |              |   |              |  |
|   |             |       |              | SUBTOTAL (4) \$   | 0            |  |
| *Reduced by Basic Filing Fee Paid                               |             |       |              |   |              |  |
| SUBMITTED BY:   |             |       |              |   |              |  |
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| Typed or Printed Name: / ///Stedhen M/DeKlerk                   |             |       |              |   |              |  |
| Signat  | ure.        | /1/W  | 1/12/11/1/11 | 1 /h/// Date: October 26, 2006                            |              |  |
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| Roa N   | lumber:     | 1     | 46,503       | Telephone Number: _408-720-83                             | 300          |  |
| neg. N  | IGIIIDEI.   |       | 70,000       | TCICPHOTIC HAITIBETT = 300 720 OC                         | <del></del>  |  |

Send to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

's Docket No.: 042390P12141

**Patent** 

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

| In re Patent Application of:   | )         |                     |                             |
|--|-----------|---------------------|-----------------------------|
| Ashay A. Dani, et al.  Application No.: 10/038,334  Filed: October 18, 2001  For: THERMAL INTERFACE MATERIAL AND ELECTRONIC ASSEMBLY HAVING SUCH A THERMAL INTERFACE MATERIAL INTERFACE MATERIAL | ))))))))) | Examiner: Art Unit: | Sheeba Ahmed<br>1773        |
| Mail Stop Amendment<br>Commissioner for Patents<br>P.O. Box 1450<br>Alexandria, VA 22313-1450<br>AMENDMENT AND RESPONS   | /<br>SE T | O OFFICE A          | ACTION                      |
| Dear Sir:  |           |                     |                             |
| In response to the Office Action dated J   | uly       | 26, 2006, App       | plicant respectfully        |
| requests that the above-identified application l   |           |                     |                             |
| following remarks be considered:   |           |                     |                             |
| FIRST-CLASS CERTIFICA  | ATE C     | OF MAILING          |                             |
| I hereby certify that this correspondence is being deposited w<br>mail with sufficient postage in an envelope addressed to the C<br>Alexandria, Virginia, 22313-1450, on:                        |           |                     |                             |
| October 26, 200  | )6        |                     |                             |
| Date of Deposit  Linda K. Brost  | +         |                     |                             |
| Name of Person Mailing Corn  |           |                     | h. n. a.n.                  |
| Suda K. Brost Signature  | -         | 000                 | <u>Der 26, 2006</u><br>Date |

Ashay A. Dani, et al.

Examiner: Sheeba Ahmed Application No.: 10/038,334 -1-Art Unit: 1773